

SPYWOLF

Security Audit Report



Audit prepared for

Nudes.Al

Completed on

April 06, 2024

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KEY RESULTS

Cannot mint new tokens	Passed
Cannot pause trading (honeypot)	Passed
Cannot blacklist an address	Passed
Cannot raise taxes over 25%?	Passed
No proxy contract detected	Passed
Not required to enable trading	Passed
No hidden ownership	Passed
Cannot change the router	Passed
No cooldown feature found	Passed
Bot protection delay is lower than 5 blocks	Passed
Cannot set max tx amount below 0.05% of total supply	Passed
The contract cannot be self-destructed by owner	Passed

For a more detailed and thorough examination of the heightened risks, refer to the subsequent parts of the report.

N/A = Not applicable for this type of contract

*Only new deposits/reinvestments can be paused





OVERVIEW

This goal of this report is to review the main aspects of the project to help investors make an informative decision during their research process.

You will find a a summarized review of the following key points:

- ✓ Contract's source code
- ✓ Owners' wallets
- ✓ Tokenomics
- ✓ Team transparency and goals
- ✓ Website's age, code, security and UX
- ✓ Whitepaper and roadmap
- ✓ Social media & online presence

The results of this audit are purely based on the team's evaluation and does not guarantee nor reflect the projects outcome and goal

- SPYWOLF Team -







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NUDES.A



PROJECT DESCRIPTION

According to their website:

Nudes.ai is a blockchain-powered adult entertainment platform designed to offer a unique user experience. Users can chat and interact with dream companions. Users can also opt to BECOME the characters complete with personal pages.

Release Date: TBD

Category: Adult/Al



\$NLG Governance Token

Token Name

NeverLetGo

Symbol

NLG

Contract Address

N/A

Network

N/A

Deployment Date

N/A

Total Supply

100,000

Language

Solidity

Contract Type

Token without taxes

Status

Not launched

TAXES

Buy Tax **none**

Sell Tax none



Our Contract Review Process

The contract review process pays special attention to the following:

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- Assessing the codebase to ensure compliance with current best practices and industry standards.
- Ensuring contract logic meets the specifications and intentions of the client.
- Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.
- Thorough line-by-line manual review of the entire codebase by industry experts.

Blockchain security tools used:

- OpenZeppelin
- Mythril
- Solidity Compiler
- Hardhat

^{*}Taxes cannot be changed



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VULNERABILITY ANALYSIS

ID	Title	
SWC-100	Function Default Visibility	Passed
SWC-101	Integer Overflow and Underflow	Passed
SWC-102	Outdated Compiler Version	Passed
SWC-103	Floating Pragma	Passed
SWC-104	Unchecked Call Return Value	Passed
SWC-105	Unprotected Ether Withdrawal	Passed
SWC-106	Unprotected SELFDESTRUCT Instruction	Passed
SWC-107	Reentrancy	Passed
SWC-108	State Variable Default Visibility	Passed
SWC-109	Uninitialized Storage Pointer	Passed
SWC-110	Assert Violation	Passed
SWC-111	Use of Deprecated Solidity Functions	Passed
SWC-112	Delegatecall to Untrusted Callee	Passed
SWC-113	DoS with Failed Call	Passed
SWC-114	Transaction Order Dependence	Passed
SWC-115	Authorization through tx.origin	Passed
SWC-116	Block values as a proxy for time	Passed
SWC-117	Signature Malleability	Passed
SWC-118	Incorrect Constructor Name	Passed





VULNERABILITY ANALYSIS

ID	Title	
SWC-119	Shadowing State Variables	Passed
SWC-120	Weak Sources of Randomness from Chain Attributes	Passed
SWC-121	Missing Protection against Signature Replay Attacks	Passed
SWC-122	Lack of Proper Signature Verification	Passed
SWC-123	Requirement Violation	Passed
SWC-124	Write to Arbitrary Storage Location	Passed
SWC-125	Incorrect Inheritance Order	Passed
SWC-126	Insufficient Gas Griefing	Passed
SWC-127	Arbitrary Jump with Function Type Variable	Passed
SWC-128	DoS With Block Gas Limit	Passed
SWC-129	Typographical Error	Passed
SWC-130	Right-To-Left-Override control character (U+202E)	Passed
SWC-131	Presence of unused variables	Passed
SWC-132	Unexpected Ether balance	Passed
SWC-133	Hash Collisions With Multiple Variable Length Arguments	Passed
SWC-134	Message call with hardcoded gas amount	Passed
SWC-135	Code With No Effects	Passed
SWC-136	Unencrypted Private Data On-Chain	Passed

03-B





VULNERABILITY ANALYSIS NO ERRORS FOUND





MANUAL CODE REVIEW

When performing smart contract audits, our specialists look for known vulnerabilities as well as logical and access control issues within the code. The exploitation of these issues by malicious actors may cause serious financial damage to projects that failed to get an audit in time.

We categorize these vulnerabilities by 4 different threat levels.

THREAT LEVELS

High Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Medium Risk

Issues on this level are critical to the smart contract's performance, functionality and should be fixed before moving to a live environment.

Low Risk

Issues on this level are minor details and warning that can remain unfixed.

Informational

Information level is to offer suggestions for improvement of efficacy or security for features with a risk free factor.

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High Risk

No high risk-level threats found in this contract.

Medium Risk

No medium risk-level threats found in this contract.

△ Low Risk

No low risk-level threats found in this contract.

Informational

Contract's deployer can withdraw token balances via the withdrawRemainingAllocation() for up to 57,500 tokens. Withdrawable amount increases with 175 tokens each 24 hours.

Note:

Contract's token balances can be withdrawn at any time as the function does not check how many withdrawals should occur per day.

```
function withdrawRemainingAllocation() external onlyDeployer {
    require(_remainingAllocation > 0, "NLGToken: no remaining allocation left");

    // Calculate the rate of tokens released per second
    uint256 tokensPerSecond = uint256(175 * 10**18) / (24 * 60 * 60); // 175 tokens released every 24 hours

    // Calculate the amount of tokens to release based on elapsed time
    uint256 elapsedSeconds = block.timestamp - _vestingStartTime;
    uint256 tokensToRelease = elapsedSeconds * tokensPerSecond;

    // Ensure the amount to release does not exceed the remaining allocation
    tokensToRelease = min(tokensToRelease, _remainingAllocation);

    // Update remaining allocation and transfer tokens to the deployer
    _remainingAllocation -= tokensToRelease;
    _transfer(address(this), _deployer, tokensToRelease);

emit WithdrawRemainingTokens(tokensToRelease);
}
```



Informational

Contract's deployer can withdraw token balances via withdrawOwnerAllocation() for up to 10,000 tokens.
Up to 1667 tokens can be withdrawn for 3 month period, at least 3 months after contract's initial deployment date.

```
function withdrawOwnerAllocation() external onlyDeployer {
   require(_ownerAllocation > 0, "NLGToken: no owner allocation left");
   uint256 elapsedSeconds = block.timestamp - _vestingStartTime;
   uint256 threeMonthsInSeconds = 90 days; // 90 days in seconds
   require(elapsedSeconds >= threeMonthsInSeconds, "NLGToken: 90-day cliff has not passed yet");
   uint256 elapsedDaysAfterCliff = (elapsedSeconds - threeMonthsInSeconds) / 1 days;
   uint256 numberOfPeriods = elapsedDaysAfterCliff / 90;
   uint256 tokensAvailable = numberOfPeriods * 1667 * 10**18; // 6 quarters of vesting
   uint256 tokensToRelease = tokensAvailable - _tokensClaimed;
   require(tokensToRelease > 0, "NLGToken: no tokens available for release");
   tokensToRelease = min(tokensToRelease, _ownerAllocation);
    _tokensClaimed += tokensToRelease;
   _ownerAllocation -= tokensToRelease;
    _transfer(address(this), _deployer, tokensToRelease);
    emit WithdrawOwnerTokens(tokensToRelease);
```



\$NUDES Utility Token

Token Name

NudesAl

Symbol

NUDES

Language

Solidity

Contract Address

N/A

Network

N/A

Deployment Date Contract Type

N/A

Status

Total Supply 100,000,000

Not launched

Token with taxes

TAXES

Buy Tax **5%**

Sell Tax **5%**



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- Thorough line-by-line manual review of the entire codebase by industry experts.

Blockchain security tools used:

- OpenZeppelin
- Mythril
- Solidity Compiler
- Hardhat

^{*}Taxes can be changed in future



High Risk

No high risk-level threats found in this contract.

Medium Risk

No medium risk-level threats found in this contract.

△ Low Risk

No low risk-level threats found in this contract.



Informational

Owner can set buy and sell fees up to 5%.

Combined buy+sell = 10%.

When fees are above 0, there will be certain amount of tokens that will be deducted from every transaction that users make.

Deducted amount will be as much as the fees % from total amount that user had bought, sold and/or transferred.

```
function setTransferTax(uint256 newTaxRate) external onlyDeployer {
    require(newTaxRate <= 5, "NUDESToken: Tax rate must be between 0 and 5 inclusive");
    _transferTax = newTaxRate;
    emit TransferTaxUpdated(newTaxRate);
}</pre>
```

Owner can exclude address from fees.

When address is excluded from fees, the user will receive the whole amount of the bought, sold and/or transferred tokens.

```
function addTaxExemption(address exemptAddress) external onlyDeployer {
    _isTaxExempt[exemptAddress] = true;
    emit TaxExemptionAdded(exemptAddress);
}
```

07-B



Informational

Contract's deployer can withdraw token balances via the withdrawTreasuryAllocation() for up to 20,000,000 tokens. Withdrawable amount increases with 54,000 tokens each 24 hours. Contract's token balances can be withdrawn at any time as the function does not check how many withdrawals should occur per day.

```
function withdrawTreasuryAllocation() external onlyDeployer {
    require(_treasuryAllocation > 0, "NUDESToken: no treasury allocation left");

    // Calculate the rate of tokens released per secon0d
    // 54,000 tokens released every 24 hours
    uint256 tokensPerSecond = uint256(54_000 * 10**18) / (24 * 60 * 60);

    // Calculate the amount of tokens to release based on elapsed time
    uint256 elapsedSeconds = block.timestamp - _vestingStartTime;
    uint256 tokensToRelease = elapsedSeconds * tokensPerSecond;

    // Ensure the amount to release does not exceed the treasury allocation
    tokensToRelease = min(tokensToRelease, _treasuryAllocation);

    // Update treasury allocation and transfer tokens to the deployer
    _treasuryAllocation -= tokensToRelease;
    _transfer(address(this), _deployer, tokensToRelease);

emit WithdrawTreasuryTokens(tokensToRelease);
}
```



Informational

Contract's deployer can withdraw token balances via withdrawTeamAllocation() for up to 10,000,000 tokens.
Up to 1,666,666 tokens can be withdrawn for 3 month period, at least 3 months after contract's initial deployment date.

```
function withdrawTeamAllocation() external onlyDeployer {
    require(_teamAllocation > 0, "NUDESToken: no team allocation left");
   uint256 elapsedSeconds = block.timestamp - _vestingStartTime;
   uint256 threeMonthsInSeconds = 90 days; // 90 days in seconds
    require(elapsedSeconds >= threeMonthsInSeconds, "NUDESToken: 90-day cliff has not passed yet");
   uint256 elapsedDaysAfterCliff = (elapsedSeconds - threeMonthsInSeconds) / 1 days;
   uint256 numberOfPeriods = elapsedDaysAfterCliff / 90;
   uint256 tokensAvailable = numberOfPeriods * 1666666 * 10**18;
   uint256 tokensToRelease = tokensAvailable - _tokensClaimed;
    require(tokensToRelease > 0, "NUDESToken: no tokens available for release");
   tokensToRelease = min(tokensToRelease, _teamAllocation);
    _tokensClaimed += tokensToRelease;
    teamAllocation -= tokensToRelease;
    _transfer(address(this), _deployer, tokensToRelease);
    emit WithdrawTeamTokens(tokensToRelease);
```



\$NUDES Airdropper

Token Name

N/A

Symbol

N/A

Contract Address

N/A

Network

N/A

Deployment Date

N/A

Total Supply

N/A

Language

Solidity

Contract Type

Airdropper

Status

Not launched

TAXES

Buy Tax **none** Sell Tax **none**



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Blockchain security tools used:

- OpenZeppelin
- Mythril
- Solidity Compiler
- Hardhat

^{*}Taxes can be changed in future



High Risk

No high risk-level threats found in this contract.

Medium Risk

No medium risk-level threats found in this contract.

Low Risk

No low risk-level threats found in this contract.



Informational

Owner can create airdrops for any amounts to any addresses.

```
function createAirdrop(uint256[] memory _amounts, address[] memory _recipients) external onlyOwner {
    require(_amounts.length == _recipients.length, "Mismatch between amounts and recipients");

    uint256 airdropId = nextAirdropId++;
    for (uint256 i = 0; i < _recipients.length; i++) {
        airdrops[airdropId][_recipients[i]] = _amounts[i];
    }

    emit AirdropCreated(airdropId);
}</pre>
```

Users that have valid airdrops can claim them via the claim() function for up to treasury wallet's balances.

Note: If user's mapped airdrop exceeds the balances of the treasury wallet, they won't be able to claim their airdrop.

```
function claim(uint256 _airdropId) external {
    require(airdrops[_airdropId][msg.sender] > 0, "No airdrop to claim");
    require(!claimed[_airdropId][msg.sender], "Already claimed");

    uint256 amount = airdrops[_airdropId][msg.sender];
    uint256 currentAllowance = NUDES.allowance(WALLET_TREASURY, address(this));
    uint256 treasuryBalance = NUDES.balanceOf(WALLET_TREASURY);

    require(currentAllowance >= amount, "Insufficient allowance");
    require(treasuryBalance >= amount, "Insufficient balance in treasury");

    claimed[_airdropId][msg.sender] = true;

// Use transferFrom to move tokens from the treasury wallet to the claimant
    NUDES.transferFrom(WALLET_TREASURY, msg.sender, amount);

emit Claimed(_airdropId, msg.sender, amount);
}
```

09-B

\$NGL Staking

Token Name

N/A

Symbol

N/A

Contract Address

N/A

Network

N/A

Deployment Date

N/A

Total Supply

N/A

Language

Solidity

Contract Type

Staking

Status

Not launched

TAXES

Buy Tax **none** Sell Tax none



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- Ensuring contract logic meets the specifications and intentions of the client.
- Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.
- Thorough line-by-line manual review of the entire codebase by industry experts.

Blockchain security tools used:

- OpenZeppelin
- Mythril
- Solidity Compiler
- Hardhat

^{*}Taxes can be changed in future



High Risk

No high risk-level threats found in this contract.

Medium Risk

No medium risk-level threats found in this contract.

Low Risk

No low risk-level threats found in this contract.



Informational

Users can unstake their staked amount at any time.

Note: If large number of users exists into the stakerAddresses mapping, the necessary gas for iterations through the array can exceed the max gas limit allowed for block (block size). If that happens, transaction will revert and user will be unable to unstake.

Max gas limit for block can vary between different EVMs (eg. current gas limits per block at time of this audit -> BSC - 140M, ETH - 30M).

Consider using external instead of public modifier for gas savings and/or implement different gas efficient mechanism for users tracking.

https://ethereum.stackexchange.com/questions/19380/external-vs-public-best-practices/19391#19391

11-B

Team NFTs

Token Name

TeamNFT

Symbol

TNFT

Contract Address

N/A

Network

N/A

Deployment Date

N/A

Total Supply

N/A

Language

Solidity

Contract Type

NFT

Status

Not launched

TAXES

Buy Tax none

Sell Tax none



Our Contract Review Process

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- Mythril
- Solidity Compiler
- Hardhat

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High Risk

No high risk-level threats found in this contract.

Medium Risk

No medium risk-level threats found in this contract.

Low Risk

No low risk-level threats found in this contract.



Informational

NFTs are minted on contract deploying by the deployer.

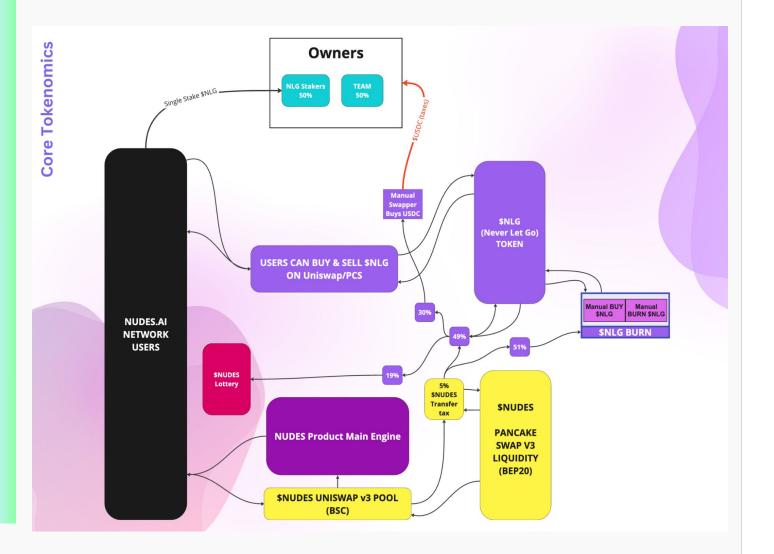
```
constructor(
   address[] memory _wallets,
   uint256[] memory _quantities,
   string[] memory _uris,
   uint256[] memory _tokenIds
) ERC1155("") {
   for (uint256 i = 0; i < _wallets.length; i++) {
      tokenURIs[_tokenIds[i]] = _uris[i];
      _mintAndUpdateHolders(_wallets[i], _tokenIds[i], _quantities[i], "");
   }
}</pre>
```

13-B



The following tokenomics are based on the project's whitepaper and/or website:

- 50% NGL Stakers
- 50% Team



SPYWOLF.CO





Website URL

https://nudes.ai/

Domain Registry

https://www.namecheap.com

Domain Expiration

May 3, 2025

Technical SEO Test

Passed

Security Test

Passed. SSL certificate present

Design

Under construction at the time of audit.

Content

Under construction at the time of audit.

Whitepaper

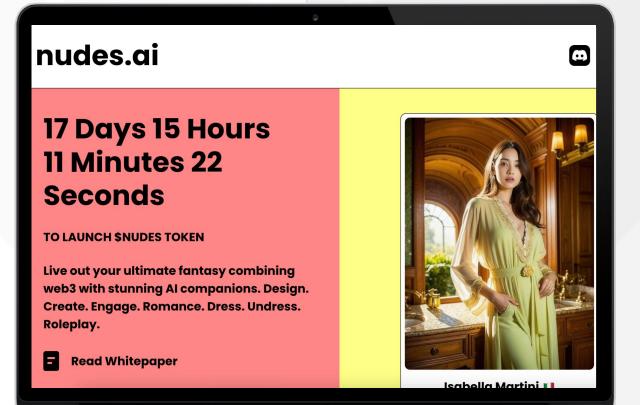
Yes

Roadmap

Yes

Mobile-friendly?

Yes



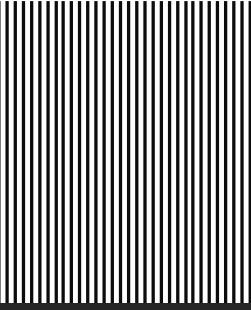
Nudes.ai (Under Construction)

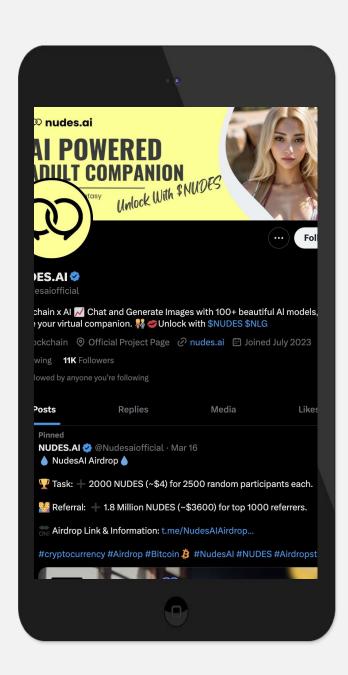
F F

SOCIAL MEDIA

& ONLINE PRESENCE

ANALYSIS
Social media
presence is new but
active.







Twitter's X

@Nudesaiofficial

- 11K followers
- Responds to comments
- Daily posts



Telegram

Not available



Discord

/invite/TfEukaPhmN

- 4609 members
- ACtive community



Medium

Not available



SPYWOLF CRYPTO SECURITY

Audits | KYCs | dApps Contract Development

ABOUT US

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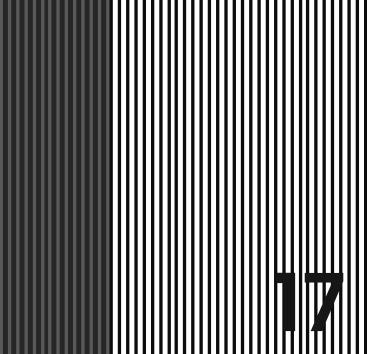
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Disclaimer

This report shows findings based on our limited project analysis, following good industry practice from the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, overall social media and website presence and team transparency details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report.

While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – please make sure to read it in full.

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No applications were reviewed for security. No product code has been reviewed.



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